

**Note** – This document contains only the regulations describing critical habitat for the

## Central California Coast Steelhead ESU

as published in the *Federal Register* on Sept. 2, 2005 (70FR52488 - 52627). These pages have been extracted from the FR notice to assist those readers interested only in the maps and regulatory text pertaining to this ESU. The complete FR notice can be downloaded at: <http://www.nwr.noaa.gov/Publications/FR-Notices/2005/Index.cfm>.

### List of Subjects in 50 CFR Part 226

Endangered and threatened species.

Dated: August 12, 2005.

**William T. Hogarth,**

*Assistant Administrator for Fisheries,  
National Marine Fisheries Service.*

■ For the reasons set out in the preamble, we amend part 226, title 50 of the Code of Regulations as set forth below:

#### **PART 226—[AMENDED]**

■ 1. The authority citation of part 226 continues to read as follows:

**Authority:** 16 U.S.C. 1533.

■ 2. Add § 226.211 to read as follows:

#### **§ 226.211 Critical habitat for Seven Evolutionarily Significant Units (ESUs) of Salmon (*Oncorhynchus spp.*) in California.**

Critical habitat is designated in the following California counties for the following ESUs as described in paragraph (a) of this section, and as further described in paragraphs (b) through (e) of this section. The textual descriptions of critical habitat for each ESU are included in paragraphs (f) through (l) of this section, and these descriptions are the definitive source for determining the critical habitat boundaries. General location maps are provided at the end of each ESU description (paragraphs (f) through (l) of this section) and are provided for general guidance purposes only, and not as a definitive source for determining critical habitat boundaries.

(a) Critical habitat is designated for the following ESUs in the following California counties:

ESU	State—counties
(1) California Coastal Chinook .....	CA—Humboldt, Trinity, Mendocino, Sonoma, Lake, Napa, Glenn, Colusa, and Tehama.
(2) Northern California Steelhead .....	CA—Humboldt, Trinity, Mendocino, Sonoma, Lake, Glenn, Colusa, and Tehama.
(3) Central California Coast Steelhead .....	CA—Lake, Mendocino, Sonoma, Napa, Marin, San Francisco, San Mateo, Santa Clara, Santa Cruz, Alameda, Contra Costa, and San Joaquin.
(4) South-Central Coast Steelhead .....	CA—Monterey, San Benito, Santa Clara, Santa Cruz, San Luis Obispo.
(5) Southern California Steelhead .....	CA—San Luis Obispo, Santa Barbara, Ventura, Los Angeles, Orange and San Diego.
(6) Central Valley spring-run Chinook .....	CA—Tehama, Butte, Glenn, Shasta, Yolo, Sacramento, Solano, Colusa, Yuba, Sutter, Trinity, Alameda, San Joaquin, and Contra Costa.
(7) Central Valley Steelhead .....	CA—Tehama, Butte, Glenn, Shasta, Yolo, Sacramento, Solana, Yuba, Sutter, Placer, Calaveras, San Joaquin, Stanislaus, Tuolumne, Merced, Alameda, Contra Costa.

(b) *Critical habitat boundaries.*

Critical habitat includes the stream channels within the designated stream reaches, and includes a lateral extent as defined by the ordinary high-water line (33 CFR 329.11). In areas where the ordinary high-water line has not been defined, the lateral extent will be defined by the bankfull elevation. Bankfull elevation is the level at which water begins to leave the channel and move into the floodplain and is reached at a discharge which generally has a recurrence interval of 1 to 2 years on the annual flood series. Critical habitat in estuaries (e.g. San Francisco-San Pablo-Suisun Bay, Humboldt Bay, and Morro Bay) is defined by the perimeter of the water body as displayed on standard 1:24,000 scale topographic maps or the elevation of extreme high water, whichever is greater.

(c) *Primary constituent elements.*

Within these areas, the primary constituent elements essential for the conservation of these ESUs are those sites and habitat components that support one or more life stages, including:

- (1) Freshwater spawning sites with water quantity and quality conditions and substrate supporting spawning, incubation and larval development;
- (2) Freshwater rearing sites with:
  - (i) Water quantity and floodplain connectivity to form and maintain physical habitat conditions and support juvenile growth and mobility;
  - (ii) Water quality and forage supporting juvenile development; and
  - (iii) Natural cover such as shade, submerged and overhanging large wood, log jams and beaver dams, aquatic vegetation, large rocks and boulders, side channels, and undercut banks.
- (3) Freshwater migration corridors free of obstruction and excessive predation with water quantity and quality conditions and natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels, and undercut banks supporting juvenile and adult mobility and survival.
- (4) Estuarine areas free of obstruction and excessive predation with:
  - (i) Water quality, water quantity, and salinity conditions supporting juvenile and adult physiological transitions between fresh- and saltwater;
  - (ii) Natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels; and
  - (iii) Juvenile and adult forage,

including aquatic invertebrates and fishes, supporting growth and maturation.

(d) *Exclusion of Indian lands.* Critical habitat does not include occupied habitat areas on Indian lands. The Indian lands specifically excluded from critical habitat are those defined in the Secretarial Order, including:

- (1) Lands held in trust by the United States for the benefit of any Indian tribe;
- (2) Land held in trust by the United States for any Indian Tribe or individual subject to restrictions by the United States against alienation;
- (3) Fee lands, either within or outside the reservation boundaries, owned by the tribal government; and
- (4) Fee lands within the reservation boundaries owned by individual Indians.

(e) *Land owned or controlled by the Department of Defense.* Additionally, critical habitat does not include the following areas owned or controlled by the Department of Defense, or designated for its use, that are subject to an integrated natural resources management plan prepared under section 101 of the Sikes Act (16 U.S.C. 670a):

- (1) Camp Pendleton Marine Corps Base;
- (2) Vandenberg Air Force Base;
- (3) Camp San Luis Obispo;
- (4) Camp Roberts; and
- (5) Mare Island Army Reserve Center.

(h) *Central California Coast Steelhead* (*O. mykiss*). Critical habitat is designated to include the areas defined in the following CALWATER Hydrologic Units:

(1) Russian River Hydrologic Unit 1114—(i) *Guerneville Hydrologic Sub-area 111411*. Outlet(s) = Russian River (Lat 38.4507, Long -123.1289) upstream to endpoint(s) in: Atascadero Creek (38.3473, -122.8626); Austin Creek (38.5098, -123.0680); Baumert Springs (38.4195, -122.9658); Dutch Bill Creek (38.4132, -122.9508); Duvoul Creek (38.4527, -122.9525); Fife Creek (38.5584, -122.9922); Freezeout Creek (38.4405, -123.0360); Green Valley Creek (38.4445, -122.9185); Grub Creek (38.4411, -122.9636); Hobson Creek (38.5334, -122.9401); Hulbert Creek (38.5548, -123.0362); Jenner Gulch (38.4869, -123.0996); Kidd Creek (38.5029, -123.0935); Lancel Creek (38.4247, -122.9322); Mark West Creek (38.4961, -122.8489); Mays Canyon (38.4800, -122.9715); North Fork Lancel Creek (38.4447, -122.9444); Pocket Canyon (38.4650, -122.9267); Porter Creek (38.5435, -122.9332); Purrington Creek (38.4083, -122.9307); Sheep House Creek (38.4820, -123.0921); Smith Creek (38.4622, -122.9585); Unnamed Tributary (38.4560, -123.0246); Unnamed Tributary (38.3976, -122.8994); Unnamed Tributary (38.3772, -122.8938); Willow Creek (38.4249, -123.0022).

(ii) *Austin Creek Hydrologic Sub-area 111412*. Outlet(s) = Austin Creek (Lat 38.5098, Long -123.0680) upstream to endpoint(s) in: Austin Creek (38.6262, -123.1347); Bear Pen Creek (38.5939, -123.1644); Big Oat Creek (38.5615, -123.1299); Black Rock Creek (38.5586, -123.0730); Blue Jay Creek (38.5618, -123.1399); Conshea Creek (38.5830, -123.0824); Devil Creek (38.6163, -123.0425); East Austin Creek (38.6349, -123.1238); Gilliam Creek (38.5803, -123.0152); Gray Creek (38.6132, -123.0107); Thompson Creek (38.5747, -123.0300); Pole Mountain Creek (38.5122, -123.1168); Red Slide Creek (38.6039, -123.1141); Saint Elmo Creek (38.5130, -123.1125); Schoolhouse Creek (38.5595, -123.0175); Spring Creek (38.5041, -123.1364); Sulphur Creek (38.6187, -123.0553); Ward Creek (38.5720, -123.1547).

(iii) *Mark West Hydrologic Sub-area 111423*. Outlet(s) = Mark West Creek (Lat 38.4962, Long -122.8492) upstream to endpoint(s) in: Humbug Creek (38.5412, -122.6249); Laguna de Santa Rosa (38.4526, -122.8347); Mark West Creek (38.5187, -122.5995); Pool Creek (38.5486, -122.7641); Pruit Creek (38.5313, -122.7615); Windsor Creek (38.5484, -122.8101).

(iv) *Warm Springs Hydrologic Sub-area 111424*. Outlet(s) = Dry Creek (Lat 38.5862, Long -122.8577) upstream to endpoint(s) in: Angel Creek (38.6101, -122.9833); Crane Creek (38.6434, -122.9451); Dry Creek (38.7181, -123.0091); Dutcher Creek (38.7223, -122.9770); Felta Creek (38.5679, -122.9379); Foss Creek (38.6244, -122.8754); Grape Creek (38.6593, -122.9707); Mill Creek (38.5976, -122.9914); North Slough Creek (38.6392, -122.8888); Palmer Creek (38.5770, -122.9904); Pena Creek (38.6384, -123.0743); Redwood Log Creek (38.6705, -123.0725); Salt Creek (38.5543, -122.9133); Wallace Creek (38.6260, -122.9651); Wine Creek (38.6662, -122.9682); Woods Creek (38.6069, -123.0272).

(v) *Geyserville Hydrologic Sub-area 111425*. Outlet(s) = Russian River (Lat 38.6132, Long -122.8321) upstream to endpoint(s) in: Ash Creek (38.8556, -123.0082); Bear Creek (38.7253, -122.7038); Bidwell Creek (38.6229, -122.6320); Big Sulphur Creek (38.8279, -122.9914); Bluegum Creek (38.6988, -122.7596); Briggs Creek (38.6845, -122.6811); Coon Creek (38.7105, -122.6957); Crocker Creek (38.7771, -122.9595); Edwards Creek (38.8592, -123.0758); Foote Creek (38.6433, -122.6797); Foss Creek (38.6373, -122.8753); Franz Creek (38.5726, -122.6343); Gill Creek (38.7552, -122.8840); Gird Creek (38.7055, -122.8311); Ingalls Creek (38.7344, -122.7192); Kellog Creek (38.6753, -122.6422); Little Briggs Creek (38.7082, -122.7014); Maacama Creek (38.6743, -122.7431); McDonnell Creek (38.7354, -122.7338); Mill Creek (38.7009, -122.6490); Miller Creek (38.7211, -122.8608); Oat Valley Creek (38.8461, -123.0712); Redwood Creek (38.6342, -122.6720); Sausal Creek (38.6924, -122.7930); South Fork Gill Creek (38.7420, -122.8760); Unnamed Tributary (38.7329, -122.8601); Yellowjacket Creek (38.6666, -122.6308).

(vi) *Sulphur Creek Hydrologic Sub-area 111426*. Outlet(s) = Big Sulphur Creek (Lat 38.8279, Long -122.9914) upstream to endpoint(s) in: Alder Creek (38.8503, -122.8953); Anna Belcher Creek (38.7537, -122.7586); Big Sulphur Creek (38.8243, -122.8774); Frasier Creek (38.8439, -122.9341); Humming Bird Creek (38.8460, -122.8596); Little Sulphur Creek (38.7469, -122.7425); Lovers Gulch (38.7396, -122.8275); North Branch Little Sulphur Creek (38.7783, -122.8119); Squaw Creek (38.8199, -122.7945).

(vii) *Ukiah Hydrologic Sub-area 111431*. Outlet(s) = Russian River (Lat 38.8828, Long -123.0557) upstream to

endpoint(s) in: Pieta Creek (38.8622, -122.9329).

(viii) *Forsythe Creek Hydrologic Sub-area 111433*. Outlet(s) = West Branch Russian River (Lat 39.2257, Long -123.2012) upstream to endpoint(s) in: Bakers Creek (39.2859, -123.2432); Eldridge Creek (39.2250, -123.3309); Forsythe Creek (39.2976, -123.2963); Jack Smith Creek (39.2754, -123.3421); Mariposa Creek (39.3472, -123.2625); Mill Creek (39.2969, -123.3360); Salt Hollow Creek (39.2585, -123.1881); Seward Creek (39.2606, -123.2646); West Branch Russian River (39.3642, -123.2334).

(2) Bodega Hydrologic Unit 1115—(i) *Salmon Creek Hydrologic Sub-area 111510*. Outlet(s) = Salmon Creek (Lat 38.3554, Long -123.0675) upstream to endpoint(s) in: Coleman Valley Creek (38.3956, -123.0097); Faye Creek (38.3749, -123.0000); Finley Creek (38.3707, -123.0258); Salmon Creek (38.3877, -122.9318); Tannery Creek (38.3660, -122.9808).

(ii) *Estero Americano Hydrologic Sub-area 111530*. Outlet(s) = Estero Americano (Lat 38.2939, Long -123.0011) upstream to endpoint(s) in: Estero Americano (38.3117, -122.9748); Ebabias Creek (38.3345, -122.9759).

(3) Marin Coastal Hydrologic Unit 2201—(i) *Walker Creek Hydrologic Sub-area 220112*. Outlet(s) = Walker Creek (Lat 38.2213, Long -122.9228); Millerton Gulch (38.1055, -122.8416) upstream to endpoint(s) in: Chileno Creek (38.2145, -122.8579); Frink Canyon (38.1761, -122.8405); Millerton Gulch (38.1376, -122.8052); Verde Canyon (38.1630, -122.8116); Unnamed Tributary (38.1224, -122.8095); Walker Creek (38.1617, -122.7815).

(ii) *Lagunitas Creek Hydrologic Sub-area 220113*. Outlet(s) = Lagunitas Creek (Lat 38.0827, Long -122.8274) upstream to endpoint(s) in: Cheda Creek (38.0483, -122.7329); Devil's Gulch (38.0393, -122.7128); Giacomini Creek (38.0075, -122.7386); Horse Camp Gulch (38.0078, -122.7624); Lagunitas Creek (37.9974, -122.7045); Olema Creek (37.9719, -122.7125); Quarry Gulch (38.0345, -122.7639); San Geronimo Creek (38.0131, -122.6499); Unnamed Tributary (37.9893, -122.7328); Unnamed Tributary (37.9976, -122.7553).

(iii) *Point Reyes Hydrologic Sub-area 220120*. Outlet(s) = Creamery Bay Creek (Lat 38.0779, Long -122.9572); East Schooner Creek (38.0913, -122.9293); Home Ranch (38.0705, -122.9119); Laguna Creek (38.0235, -122.8732); Muddy Hollow Creek (38.0329, -122.8842) upstream to endpoint(s) in: Creamery Bay Creek (38.0809, -122.9561); East Schooner Creek

(38.0928, -122.9159); Home Ranch Creek (38.0784, -122.9038); Laguna Creek (38.0436, -122.8559); Muddy Hollow Creek (38.0549, -122.8666).

(iv) *Bolinas Hydrologic Sub-area 220130*. Outlet(s) = Easkoot Creek (Lat 37.9026, Long -122.6474); McKinnon Gulch (37.9126, -122.6639); Morse Gulch (37.9189, -122.6710); Pine Gulch Creek (37.9218, -122.6882); Redwood Creek (37.8595, -122.5787); Stinson Gulch (37.9068, -122.6517); Wilkins Creek (37.9343, -122.6967) upstream to endpoint(s) in: Easkoot Creek (37.8987, -122.6370); Kent Canyon (37.8866, -122.5800); McKinnon Gulch (37.9197, -122.6564); Morse Gulch (37.9240, -122.6618); Pine Gulch Creek (37.9557, -122.7197); Redwood Creek (37.9006, -122.5787); Stinson Gulch (37.9141, -122.6426); Wilkins Creek (37.9450, -122.6910).

(4) San Mateo Hydrologic Unit 2202—(i) *San Mateo Coastal Hydrologic Sub-area 220221*. Outlet(s) = Denniston Creek (37.5033, -122.4869); Frenchmans Creek (37.4804, -122.4518); San Pedro Creek (37.5964, -122.5057) upstream to endpoint(s) in: Denniston Creek (37.5184, -122.4896); Frenchmans Creek (37.5170, -122.4332); Middle Fork San Pedro Creek (37.5758, -122.4591); North Fork San Pedro Creek (37.5996, -122.4635).

(ii) *Half Moon Bay Hydrologic Sub-area 220222*. Outlet(s) = Pilarcitos Creek (Lat 37.4758, Long -122.4493) upstream to endpoint(s) in: Apanolio Creek (37.5202, -122.4158); Arroyo Leon Creek (37.4560, -122.3442); Mills Creek (37.4629, -122.3721); Pilarcitos Creek (37.5259, -122.3980); Unnamed Tributary (37.4705, -122.3616).

(iii) *Tunitas Creek Hydrologic Sub-area 220223*. Outlet(s) = Lobitos Creek (Lat 37.3762, Long -122.4093); Tunitas Creek (37.3567, -122.3999) upstream to endpoint(s) in: East Fork Tunitas Creek (37.3981, -122.3404); Lobitos Creek (37.4246, -122.3586); Tunitas Creek (37.4086, -122.3502).

(iv) *San Gregorio Creek Hydrologic Sub-area 220230*. Outlet(s) = San Gregorio Creek (Lat 37.3215, Long -122.4030) upstream to endpoint(s) in: Alpine Creek (37.3062, -122.2003); Bogess Creek (37.3740, -122.3010); El Corte Madera Creek (37.3650, -122.3307); Harrington Creek (37.3811, -122.2936); La Honda Creek (37.3680, -122.2655); Langley Creek (37.3302, -122.2420); Mindego Creek (37.3204, -122.2239); San Gregorio Creek (37.3099, -122.2779); Woodruff Creek (37.3415, -122.2495).

(v) *Pescadero Creek Hydrologic Sub-area 220240*. Outlet(s) = Pescadero Creek (Lat 37.2669, Long -122.4122); Pomponio Creek (37.2979, -122.4061)

upstream to endpoint(s) in: Bradley Creek (37.2819, -122.3802); Butano Creek (37.2419, -122.3165); Evans Creek (37.2659, -122.2163); Honsinger Creek (37.2828, -122.3316); Little Boulder Creek (37.2145, -122.1964); Little Butano Creek (37.2040, -122.3492); Oil Creek (37.2572, -122.1325); Pescadero Creek (37.2320, -122.1553); Lambert Creek (37.3014, -122.1789); Peters Creek (37.2883, -122.1694); Pomponio Creek (37.3030, -122.3805); Slate Creek (37.2530, -122.1935); Tarwater Creek (37.2731, -122.2387); Waterman Creek (37.2455, -122.1568).

(5) Bay Bridge Hydrologic Unit T 2203—(i) *San Rafael Hydrologic Sub-area 220320*. Outlet(s) = Arroyo Corte Madera del Presidio (Lat 37.8917, Long -122.5254); Corte Madera Creek (37.9425, -122.5059) upstream to endpoint(s) in: Arroyo Corte Madera del Presidio (37.9298, -122.5723); Cascade Creek (37.9867, -122.6287); Cascade Creek (37.9157, -122.5655); Larkspur Creek (37.9305, -122.5514); Old Mill Creek (37.9176, -122.5746); Ross Creek (37.9558, -122.5752); San Anselmo Creek (37.9825, -122.6420); Sleepy Hollow Creek (38.0074, -122.5794); Tamalpais Creek (37.9481, -122.5674).

(ii) [Reserved]

(6) Santa Clara Hydrologic Unit 2205—(i) *Coyote Creek Hydrologic Sub-area 220530*. Outlet(s) = Coyote Creek (Lat 37.4629, Long -121.9894; 37.2275, -121.7514) upstream to endpoint(s) in: Arroyo Aguague (37.3907, -121.7836); Coyote Creek (37.2778, -121.8033; 37.1677, -121.6301); Upper Penitencia Creek (37.3969, -121.7577).

(ii) *Guadalupe River—San Jose Hydrologic Sub-area 220540*. Outlet(s) = Coyote Creek (Lat 37.2778, Long -121.8033) upstream to endpoint(s) in: Coyote Creek (37.2275, -121.7514).

(iii) *Palo Alto Hydrologic Sub-area 220550*. Outlet(s) = Guadalupe River (Lat 37.4614, Long -122.0240); San Francisquito Creek (37.4658, -122.1152); Stevens Creek (37.4456, -122.0641) upstream to endpoint(s) in: Bear Creek (37.4164, -122.2690); Corte Madera Creek (37.4073, -122.2378); Guadalupe River (37.3499, -121.9094); Los Trancos (37.3293, -122.1786); McGarvey Gulch (37.4416, -122.2955); Squealer Gulch (37.4335, -122.2880); Stevens Creek (37.2990, -122.0778); West Union Creek (37.4528, -122.3020).

(7) San Pablo Hydrologic Unit 2206—(i) *Petaluma River Hydrologic Sub-area 220630*. Outlet(s) = Petaluma River (Lat 38.1111, Long -122.4944) upstream to endpoint(s) in: Adobe Creek (38.2940, -122.5834); Lichau Creek (38.2848, -122.6654); Lynch Creek (38.2748, -122.6194); Petaluma River (38.3010, -122.7149); Schultz Slough (38.1892,

-122.5953); San Antonio Creek (38.2049, -122.7408); Unnamed Tributary (38.3105, -122.6146); Willow Brook (38.3165, -122.6113).

(ii) *Sonoma Creek Hydrologic Sub-area 220640*. Outlet(s) = Sonoma Creek (Lat 38.1525, Long -122.4050) upstream to endpoint(s) in: Agua Caliente Creek (38.3368, -122.4518); Asbury Creek (38.3401, -122.5590); Bear Creek (38.4656, -122.5253); Calabazas Creek (38.4033, -122.4803); Carriger Creek (38.3031, -122.5336); Graham Creek (38.3474, -122.5607); Hooker Creek (38.3809, -122.4562); Mill Creek (38.3395, -122.5454); Nathanson Creek (38.3350, -122.4290); Rodgers Creek (38.2924, -122.5543); Schell Creek (38.2554, -122.4510); Sonoma Creek (38.4507, -122.4819); Stuart Creek (38.3936, -122.4708); Yulupa Creek (38.3986, -122.5934).

(iii) *Napa River Hydrologic Sub-area 220650*. Outlet(s) = Napa River (Lat 38.0786, Long -122.2468) upstream to endpoint(s) in: Bale Slough (38.4806, -122.4578); Bear Canyon Creek (38.4512, -122.4415); Bell Canyon Creek (38.5551, -122.4827); Brown's Valley Creek (38.3251, -122.3686); Canon Creek (38.5368, -122.4854); Carneros Creek (38.3108, -122.3914); Conn Creek (38.4843, -122.3824); Cyrus Creek (38.5776, -122.6032); Diamond Mountain Creek (38.5645, -122.5903); Dry Creek (38.4334, -122.4791); Dutch Henery Creek (38.6080, -122.5253); Garnett Creek (38.6236, -122.5860); Huichica Creek (38.2811, -122.3936); Jericho Canyon Creek (38.6219, -122.5933); Miliken Creek (38.3773, -122.2280); Mill Creek (38.5299, -122.5513); Murphy Creek (38.3155, -122.2111); Napa Creek (38.3047, -122.3134); Napa River (38.6638, -122.6201); Pickle Canyon Creek (38.3672, -122.4071); Rector Creek (38.4410, -122.3451); Redwood Creek (38.3765, -122.4466); Ritchie Creek (38.5369, -122.5652); Sarco Creek (38.3567, -122.2071); Soda Creek (38.4156, -122.2953); Spencer Creek (38.2729, -122.1909); Sulphur Creek (38.4895, -122.5088); Suscol Creek (38.2522, -122.2157); Tulucay Creek (38.2929, -122.2389); Unnamed Tributary (38.4248, -122.4935); Unnamed Tributary (38.4839, -122.5161); York Creek (38.5128, -122.5023).

(8) Big Basin Hydrologic Unit 3304—(i) *Davenport Hydrologic Sub-area 330411*. Outlet(s) = Baldwin Creek (Lat 36.9669, -122.1232); Davenport Landing Creek (37.0231, -122.2153); Laguna Creek (36.9824, -122.1560); Liddell Creek (37.0001, -122.1816); Majors Creek (36.9762, -122.1423); Molino Creek (37.0368, -122.2292); San Vicente

Creek (37.0093, -122.1940); Scott Creek (37.0404, -122.2307); Waddell Creek (37.0935, -122.2762); Wilder Creek (36.9535, -122.0775) upstream to endpoint(s) in: Baldwin Creek (37.0126, -122.1006); Bettencourt Creek (37.1081, -122.2386); Big Creek (37.0832, -122.2175); Davenport Landing Creek (37.0475, -122.1920); East Branch Waddell Creek (37.1482, -122.2531); East Fork Liddell Creek (37.0204, -122.1521); Henry Creek (37.1695, -122.2751); Laguna Creek (37.0185, -122.1287); Little Creek (37.0688, -122.2097); Majors Creek (36.9815, -122.1374); Middle Fork East Fork Liddell Creek (37.0194, -122.1608); Mill Creek (37.1034, -122.2218); Mill Creek (37.0235, -122.2218); Molino Creek (37.0384, -122.2125); Peasley Gulch (36.9824, -122.0861); Queseria Creek (37.0521, -122.2042); San Vicente Creek (37.0417, -122.1741); Scott Creek (37.1338, -122.2306); West Branch Waddell Creek (37.1697, -122.2642); West Fork Liddell Creek (37.0117, -122.1763); Unnamed Tributary (37.0103, -122.0701); Wilder Creek (37.0107, -122.0770).

(ii) *San Lorenzo Hydrologic Sub-area 330412*. Outlet(s) = Arana Gulch Creek

(Lat 36.9676, Long -122.0028); San Lorenzo River (36.9641, -122.0125) upstream to endpoint(s) in: Arana Gulch Creek (37.0270, -121.9739); Bean Creek (37.0956, -122.0022); Bear Creek (37.1711, -122.0750); Boulder Creek (37.1952, -122.1892); Bracken Brae Creek (37.1441, -122.1459); Branciforte Creek (37.0701, -121.9749); Crystal Creek (37.0333, -121.9825); Carbonera Creek (37.0286, -122.0202); Central Branch Arana Gulch Creek (37.0170, -121.9874); Deer Creek (37.2215, -122.0799); Fall Creek (37.0705, -122.1063); Gold Gulch Creek (37.0427, -122.1018); Granite Creek (37.0490, -121.9979); Hare Creek (37.1544, -122.1690); Jameson Creek (37.1485, -122.1904); Kings Creek (37.2262, -122.1059); Lompico Creek (37.1250, -122.0496); Mackenzie Creek (37.0866, -122.0176); Mountain Charlie Creek (37.1385, -121.9914); Newell Creek (37.1019, -122.0724); San Lorenzo River (37.2276, -122.1384); Two Bar Creek (37.1833, -122.0929); Unnamed Tributary (37.2106, -122.0952); Unnamed Tributary (37.2032, -122.0699); Zayante Creek (37.1062, -122.0224).

(iii) *Aptos-Soquel Hydrologic Sub-area 330413*. Outlet(s) = Aptos Creek (Lat 36.9692, Long -121.9065); Soquel Creek (36.9720, -121.9526) upstream to endpoint(s) in: Amaya Creek (37.0930, -121.9297); Aptos Creek (37.0545, -121.8568); Bates Creek (37.0099, -121.9353); Bridge Creek (37.0464, -121.8969); East Branch Soquel Creek (37.0690, -121.8297); Hester Creek (37.0967, -121.9458); Hinckley Creek (37.0671, -121.9069); Moores Gulch (37.0573, -121.9579); Valencia Creek (37.0323, -121.8493); West Branch Soquel Creek (37.1095, -121.9606).

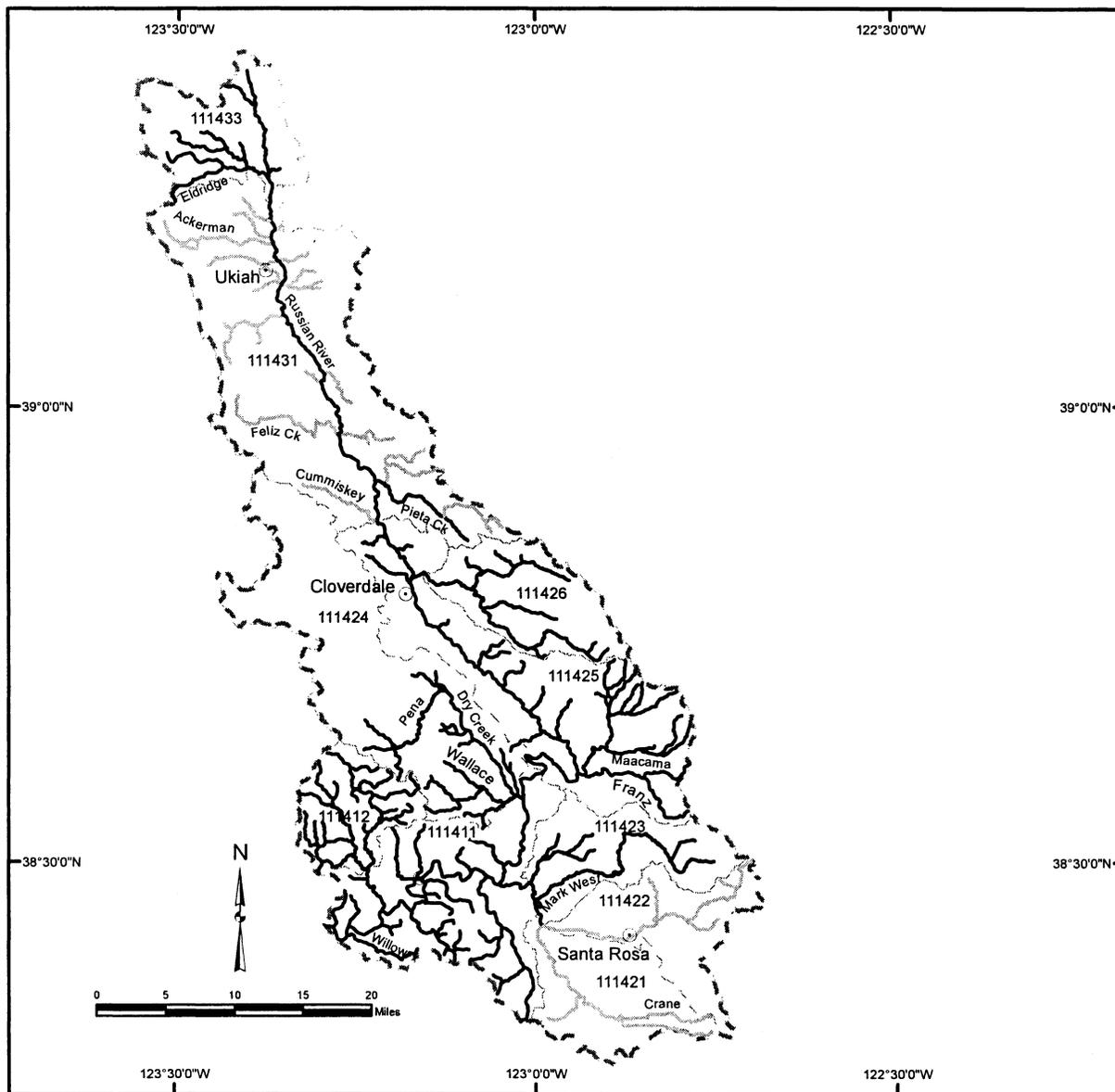
(iv) *Ano Nuevo Hydrologic Sub-area 330420*. Outlet(s) = Ano Nuevo Creek (Lat 37.1163, Long -122.3060); Gazos Creek (37.1646, -122.3625); Whitehouse Creek (37.1457, -122.3469) upstream to endpoint(s) in: Ano Nuevo Creek (37.1269, -122.3039); Bear Gulch (37.1965, -122.2773); Gazos Creek (37.2088, -122.2868); Old Womans Creek (37.1829, -122.3033); Whitehouse Creek (37.1775, -122.2900).

(9) Maps of critical habitat for the Central California Coast Steelhead ESU follow:

**BILLING CODE 3510-22-P**

**Critical Habitat for the California Central Coast Steelhead**

**Russian River Hydrologic Unit 1114**



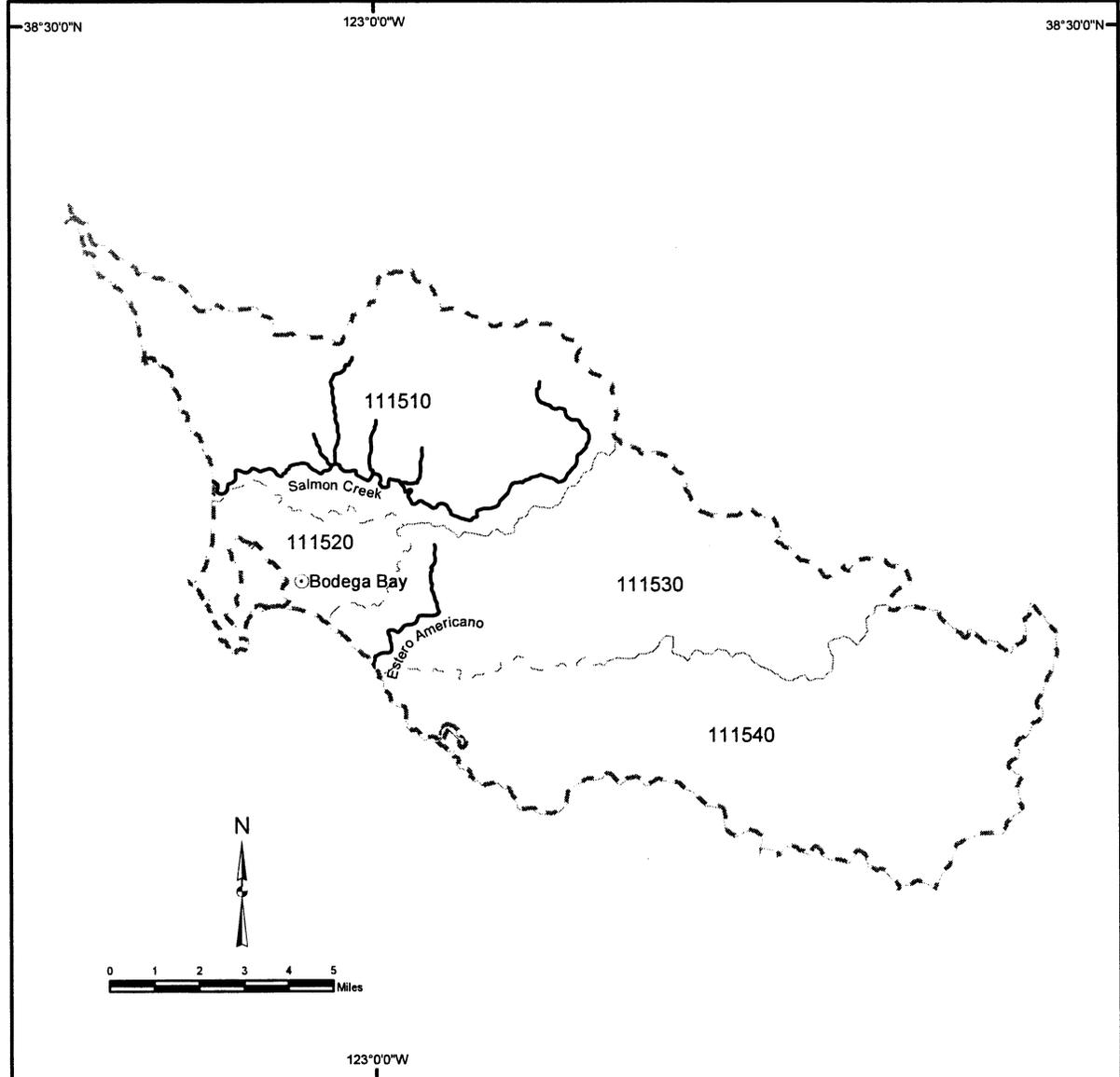
- Cities/Towns
- Critical Habitat
- Occupied but excluded streams / areas
- Hydrologic Unit Boundary
- Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



### Critical Habitat for the California Central Coast Steelhead

### Bodega Hydrologic Unit 1115

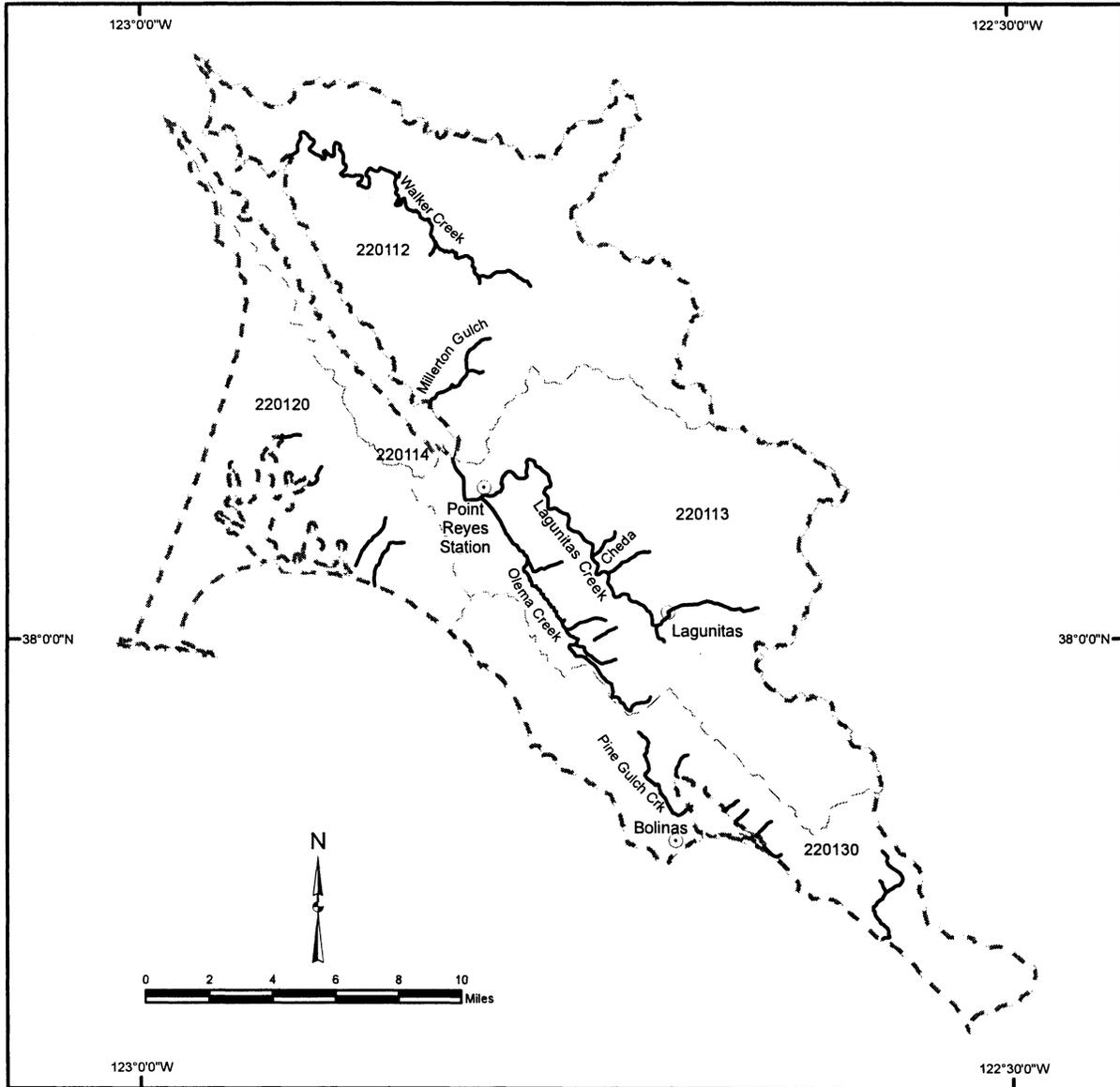


- ⊙ Cities/Towns
- Critical Habitat
- ▤ Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary
- 110701 Fifth Field Calwater Hydrologic Sub-Area Number



**Critical Habitat for the  
California Central Coast Steelhead**

**Marin Coastal Hydrologic Unit  
2201**

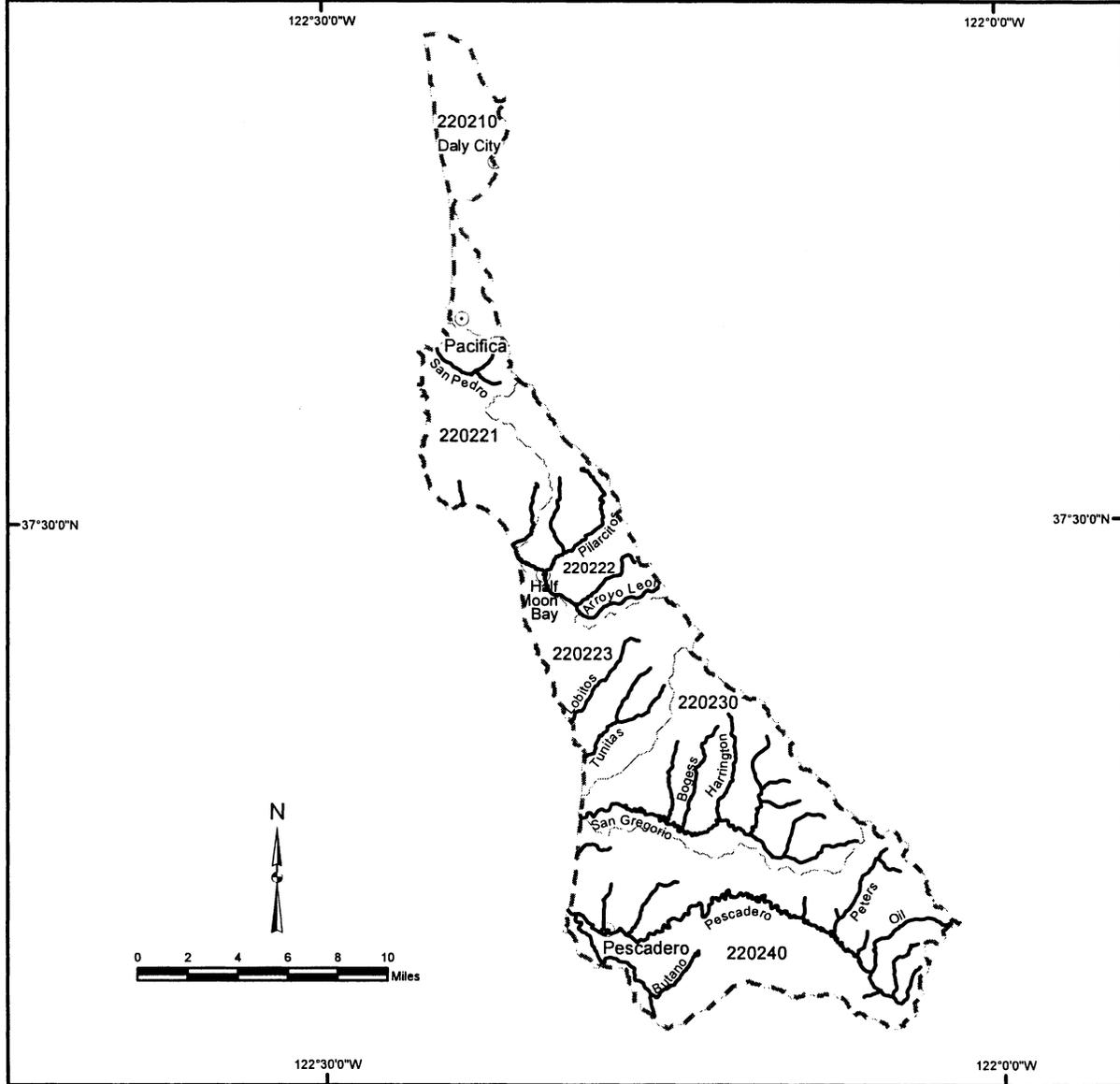


-  Cities/Towns
-  Critical Habitat
-  Hydrologic Unit Boundary
-  Fifth Field Calwater Hydrologic Sub-Area Boundary
- 110701 Fifth Field Calwater Hydrologic Sub-Area Number



### Critical Habitat for the California Central Coast Steelhead

### San Mateo Hydrologic Unit 2202

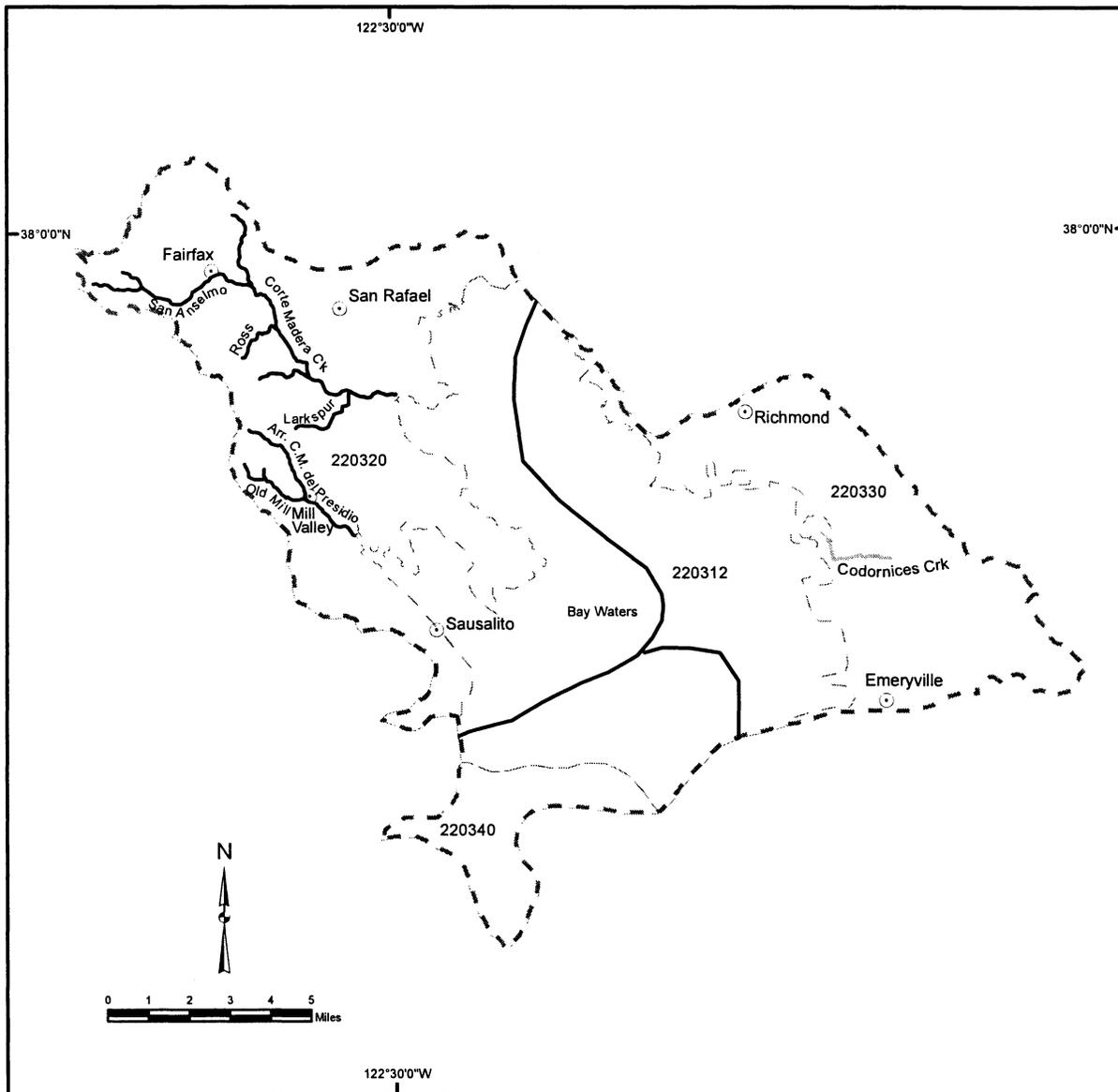


(•) Cities/Towns  
— Critical Habitat  
- - - Hydrologic Unit Boundary  
••••• Fifth Field Calwater Hydrologic Sub-Area Boundary  
110701 Fifth Field Calwater Hydrologic Sub-Area Number



**Critical Habitat for the California Central Coast Steelhead**

**Bay Bridges Hydrologic Unit 2203**



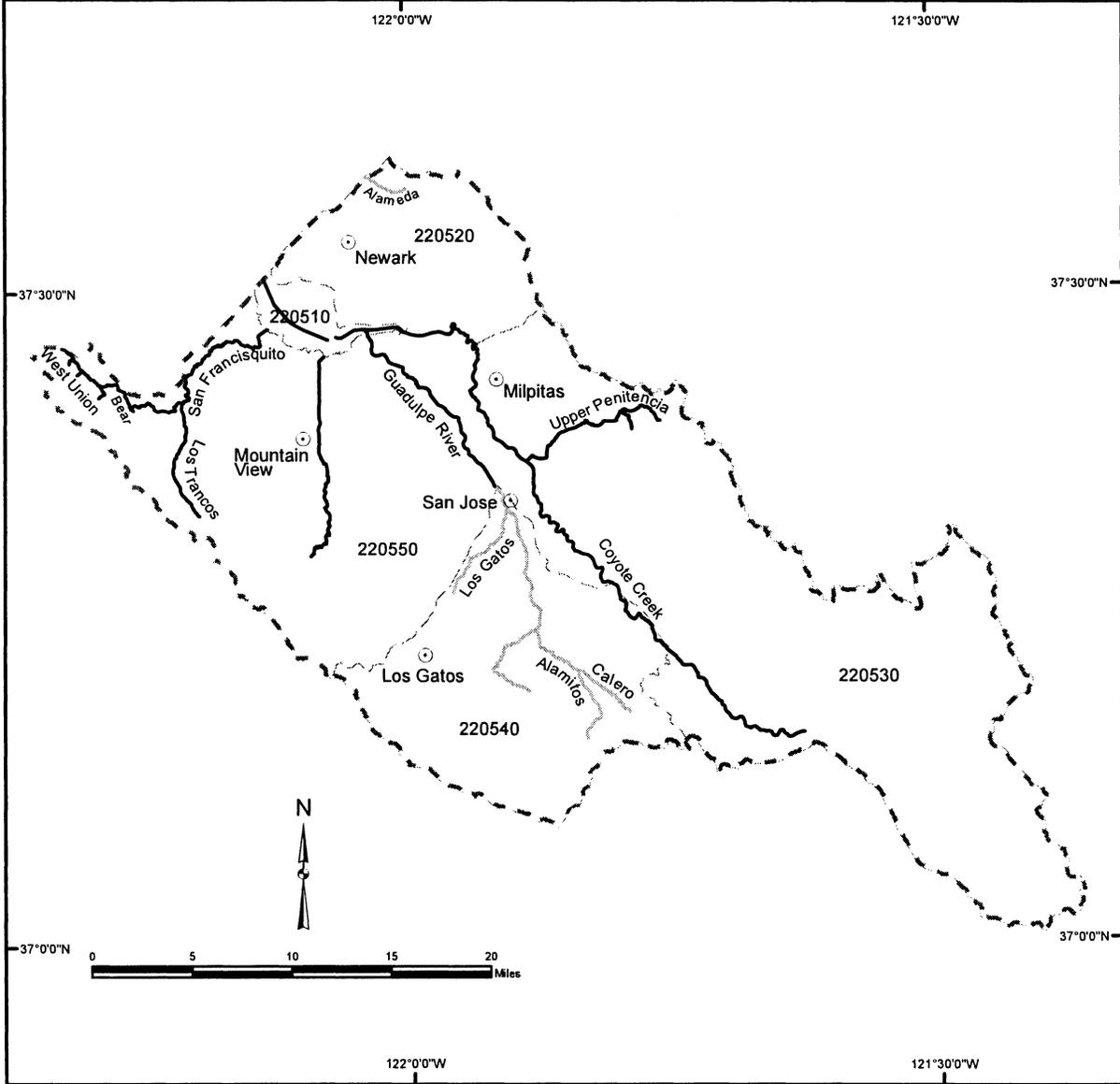
- (•) Cities/Towns
- Critical Habitat
- ⋯ Occupied but excluded streams / areas
- ▬ Hydrologic Unit Boundary
- - - Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



### Critical Habitat for the California Central Coast Steelhead

### Santa Clara Hydrologic Unit 2205



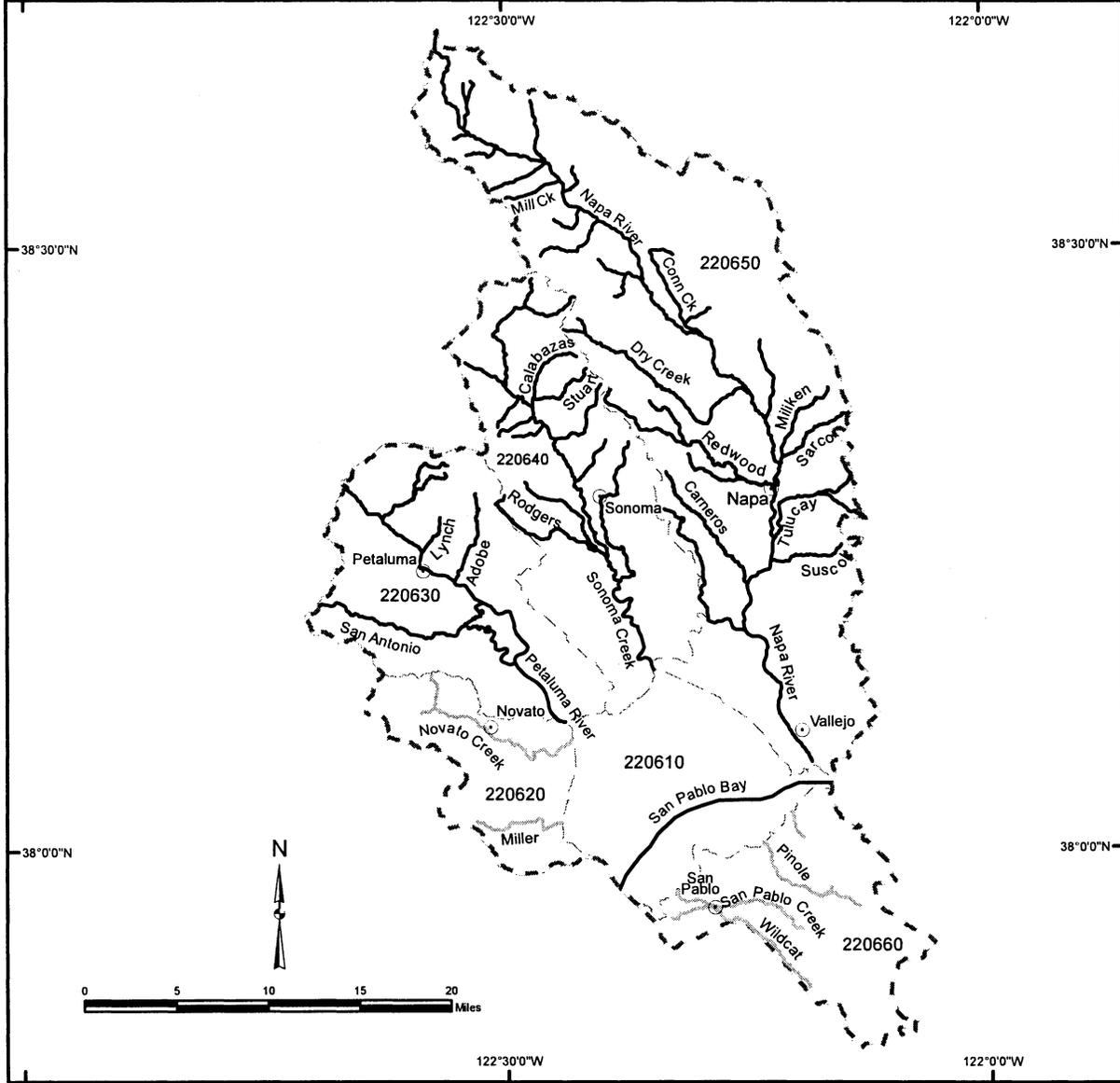
- Cities/Towns
- Critical Habitat
- Occupied but excluded streams / areas
- Hydrologic Unit Boundary
- Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



**Critical Habitat for the California Central Coast Steelhead**

**San Pablo Hydrologic Unit 2206**



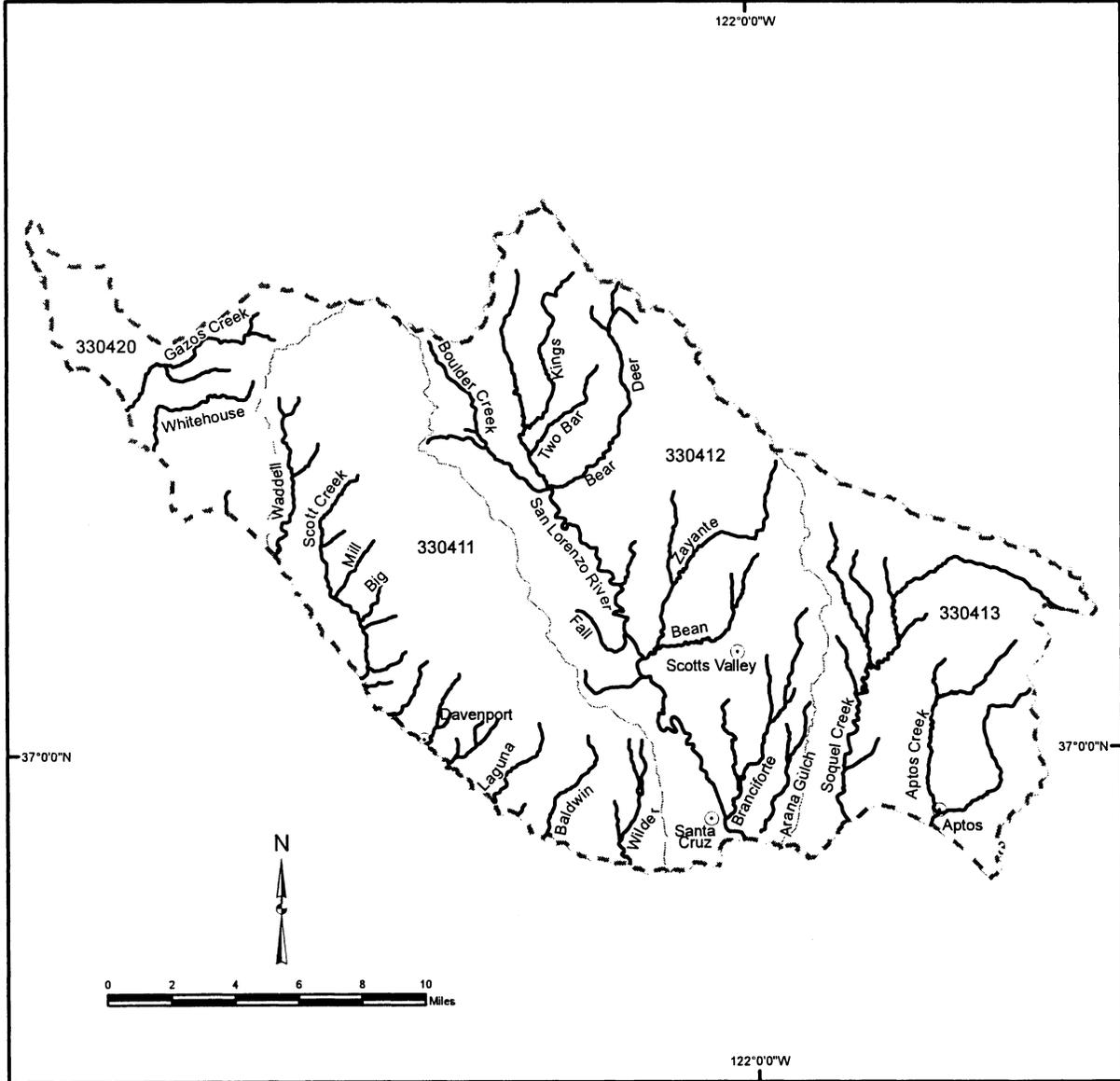
- Cities/Towns
- Critical Habitat
- Occupied but excluded streams / areas
- Hydrologic Unit Boundary
- Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number



### Critical Habitat for the California Central Coast Steelhead

### Big Basin Hydrologic Unit 3304



- Cities/Towns
- Critical Habitat
- Hydrologic Unit Boundary
- Fifth Field Calwater Hydrologic Sub-Area Boundary

110701 Fifth Field Calwater Hydrologic Sub-Area Number

